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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,534	05/10/2007	Wilfried Bien	DKT03088 (287)	8970
	7590 07/06/201 ER INC. C/O PATENT	EXAMINER		INER
1401 HOLLYWOOD BOULEVARD HOLLYWOOD, FL 33020-5237			PASCHALL, MARK H	
HOLL I WOOL), FL 33U2U-3237		ART UNIT	PAPER NUMBER
			3742	
			MAIL DATE	DELIVERY MODE
			07/06/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Comments	10/590,534	BIEN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Mark H. Paschall	3742			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address -	-		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on					
· · · · · · · · · · · · · · · · · · ·	-· action is non-final.				
3) Since this application is in condition for allowar		secution as to the merits	e ie		
closed in accordance with the practice under E) IS		
closed in accordance with the practice under L	x pane quayle, 1000 O.D. 11, 40	0 0.0. 210.			
Disposition of Claims					
 4) Claim(s) 20-29 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 20-29 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
9)☐ The specification is objected to by the Examine	r.				
10)⊠ The drawing(s) filed on <u>25 August 2006</u> is/are:	a)⊠ accepted or b)⊡ objected t	o by the Examiner.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of the certified copies of the attached detailed Office action for a list of the certified copies 	s have been received. s have been received in Application ity documents have been received i (PCT Rule 17.2(a)).	on No d in this National Stage			
Attachment(s)	_				
1) Notice of References Cited (PTO-892)	4) ☐ Interview Summary Paper No(s)/Mail Da				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 12-21-2006 	5) Notice of Informal Pa				

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 20-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art on pages 1-2 in the instant specification, AAPA, in view of Combs 4,138,986 and Mitsui et al 5,521,353. connecting a cast manifold via screws or welding is taught as conventional in the AAPA. The instant claims define that a pulse welding is used to connect the dissimilar metals. Use of laser, TIG, MAG is claimed. The patent to

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Combs teaches connecting a cast manifold ring to a sheet metal connector pipe using welding. See column 8, lines 57-64, teaching that a cast article in a firebox is connected to sheet metal via welding. The use of pulse welding is not taught. In this respect the patent to Mitsui et al clearly teaches that welding of sheet metal with pulse welding is conventional. See paragraph 0026, Mitsui et al also mention in paragraph 31 that cast iron can also be welded. In view of this teaching it would have been obvious to connect the cast part in the prior art disclosed with a sheet metal connector using pulse welding, to produce a superior weld. Note that the Mitsui et al patent teaches that pulse welding can be successfully used to weld thin sheet metal, as claimed. As per claim 22 use of laser welding is conventional, see AAPA. As per claims 23 and 24 MAG and TIG welding is conventional in the applied patents. Use of preheating as per claim 25 is common in the art and hence obvious to one of ordinary skill in the art. As per claim 26 the welded parts are naturally cooled, no mention made of specific cooling scheme in the claim. the article of claims 27-29 obviously occurs with the method steps taught as obvious as per claims 2-26.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Jones et al 5,268,555, cited in the IDS statement filed by Applicant, is recognized to clearly teach laser pulse welding as conventional.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark H. Paschall whose telephone number is 571 272-4784. The examiner can normally be reached on 7am - 3pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu Hoang can be reached on 571-272-4780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mark H Paschall Primary Examiner Art Unit 3742

Mhp

/Mark H Paschall/ Primary Examiner, Art Unit 3742